

MTH 65 – Graded Homework 9

Due: 2:30 pm, February 14, 2011 Name _____

You may work on this assignment with your classmates or anybody else you please. You may get help from a tutor or even the instructor. What you may not do is simply copy somebody else's work – that completely obviates the purpose of the assignment. If you forget to complete the assignment before it is due, do not simply copy someone else's paper and turn that in ... that is not "working together," that is taking credit for somebody else's work.

1. Factor out the GCF from $25x^4y^3 - 15x^2y^2 + 5x^2y$.

2. Factor by grouping: $xy - 2yz - 5x + 10z$.

3. Factor by grouping: $x^3 + 4x + x^2 + 4$.

4. Factor $x^2 - 12x - 45$.

Please box off any and all scratch work.

5. Factor $t^2 + 4t + 256$.